

Release notes for ENDF/B Development e-001\_H\_000  
evaluation

**ENDF**  
**B-VII**.dev

October 13, 2016

• fudge-4.0 Warnings:

1. Mislabelled emitted particle

*Reading ENDF file: ../e-001\_H\_000.endf (Error # 0): ZAP messed up*

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0

2. FIXME: Generic fudge unimplemented message

*reaction label 1: e- + H + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)*

WARNING: Checking not yet implemented for energyLoss type data

3. FIXME: Generic fudge unimplemented message

*reaction label 2: e- + H [excitation] / Product: e- (Error # 0): Generic unimp (c)*

WARNING: Checking not yet implemented for energyLoss type data

• fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree

*reaction label 0: e- + H [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch*

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!

2. Calculated and tabulated thresholds don't agree

*reaction label 1: e- + H + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch*

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!

3. Calculated and tabulated thresholds don't agree

*reaction label 2: e- + H [excitation] / Cross section: (Error # 0): Threshold mismatch*

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 13.61 eV!

4. Calculated and tabulated thresholds don't agree

*reaction label 3: e- + e- + H1s1/2 / Cross section: (Error # 0): Threshold mismatch*

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 13.61 eV!

• xssectplotter Warnings:

1. Mislabelled emitted particle

*Error: ZAP messed up*

stderr while processing crossSection

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0  
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